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ORG: none

TITLE: Potassium and cesium neptunoyl tricarbonates

SOURCE: Zhurnal neorganicheskoy khimii, v. 11, no. 3, 1966, 520-528

TOPIC TAGS: neptunium compound, potassium compound, cesium compound, carbonate

ABSTRACT: Potassium and cesium neptunoyl tricarbonates were prepared from neptunium dioxide, and analysis established their common formula as $R_5[NpO_2(CO_3)_3]^1/2$ ($R = K^+, Cs^+$). Their solubility in water, 0.2 M and 50% K_2CO_3 and Cs_2CO_3 solutions was determined. Data on the neptunium content of carbonate mother solutions indicate that the dicarbonate complexes $[NpO_2(CO_3)_2]^{3-}$ may be present in them. Absorption spectra of NpO_2^+ in 50% K_2CO_3 and Cs_2CO_3 solutions were recorded in the 9000-10500 Å range; a substantial decrease of the molar extinction coefficient ϵ (by a factor of about 30) was observed as compared to the value of ϵ in 1 M HNO_3 , indicating strong complex formation between NpO_2^+ and carbonate ions. A study of the absorption spectra of crystalline $R_5[NpO_2(CO_3)_3]$ ($R = K^+, Cs^+$) in the 9000-1000 Å range permitted the determination of molar extinction coefficients of the individual splitting components of the NpO_2^+ band in the 9500-9600 Å range. Analysis of vibrational IR spectra of the

Card 1/2

UDC: 546.799.3-386

I 41726-66

ACC NR: AP6020370

neptunoyl tricarbonates showed an increase in the interaction of NpO_2^+ with CO_3^{2-} on passing from potassium to cesium, manifested in a decrease of the force constant κ of the Np-O bond from 0.504 to 0.498 mdyne/cm ($r_{\text{Np}-\text{O}} = 1.80 \text{ \AA}$). The symmetry of CO_3^{2-} in the neptunoyl tricarbonates was found to decrease from D_{3h} to C_{2v} . Orig. art. has: 4 figures and 7 tables.

SUB CODE: 07/ SUHM DATE: 06Jul65/ ORIG REF: 009/ OTH REF: 003

Card 2/2 af

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ZENKOVICH, B. A.		PROCESSED AND PROPERTIES INDEX										100 AND 101 AND 102	
												103 AND 104 AND 105	
												106 AND 107 AND 108	
												109 AND 110 AND 111	
												112 AND 113 AND 114	
												115 AND 116 AND 117	
												118 AND 119 AND 120	
												121 AND 122 AND 123	
												124 AND 125 AND 126	
												127 AND 128 AND 129	
												130 AND 131 AND 132	
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												586 AND 587 AND 588	
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												592 AND 593 AND 594	
												595 AND 596 AND 597	
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												601 AND 602 AND 603	
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												610 AND 611 AND 612	
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												616 AND 617 AND 618	
												619 AND 620 AND 621	
												622 AND 623 AND 624	
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												634 AND 635 AND 636	
												637 AND 638 AND 639	
												640 AND 641 AND 642	
												643 AND 644 AND 645	
												646 AND 647 AND 648	
												649 AND 650 AND 651	
												652 AND 653 AND 654	
												655 AND 656 AND 657	
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												661 AND 662 AND 663	
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												667 AND 668 AND 669	
												670 AND 671 AND 672	
												673 AND 674 AND 675	
												676 AND 677 AND 678	
												679 AND 680 AND 681	
												682 AND 683 AND 684	
												685 AND 686 AND 687	
												688 AND 689 AND 690	
												691 AND 692 AND 693	
												694 AND 695 AND 696	
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												703 AND 704 AND 705	
												706 AND 707 AND 708	
												709 AND 710 AND 711	
												712 AND 713 AND 714	
												715 AND 716 AND 717	
												718 AND 719 AND 720	
												721 AND 722 AND 723	
												724 AND 725 AND 726	
												727 AND 728 AND 729	
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												736 AND 737 AND 738	
												739 AND 740 AND 741	
												742 AND 743 AND 744	
												745 AND 746 AND 747	
												748 AND 749 AND 750	
												751 AND 752 AND 753	
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												772 AND 773 AND 774	
												775 AND 776 AND 777	
												778 AND 779 AND 780	
												781 AND 782 AND 783	
												784 AND 785 AND 786	
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												814 AND 815 AND 816	
												817 AND 818 AND 819	
												820 AND 821 AND 822	
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												835 AND 836 AND 837	
												838 AND 839 AND 840	
												841 AND 842 AND 843	
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												856 AND 857 AND 858	
												859 AND 860 AND 861	
												862 AND 863 AND 864	
												865 AND 866 AND 867	
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												907 AND 908 AND 909	
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												925 AND 926 AND 927	
												928 AND 929 AND 930	
												931 AND 932 AND 933	
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												952 AND 953 AND 954	
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												970 AND 971 AND 972	
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												979 AND 980 AND 981	
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												988 AND 989 AND 990	
												991 AND 992 AND 993	
												994 AND 995 AND 996	
												997 AND 998 AND 999	
												1000 AND 1001 AND 1	

20G48

USSR/Whaling Industry 4307.1000

Oct 1947

"Whale Fishing in the USSR and the General Outlook
for Its Growth," B. A. Zenkovich, 6 pp

"Ryb Khoz" Vol XXIII, No 10

Gives tables showing extent of whale fishing in
USSR from 1932, year of over-all Soviet intensifica-
tion of national economy, to 1946. Cites production
figures of USSR whaling industry in Far East, sum-
marizing statistics of Japan and Korea over same
period. Reviews whaling industry along North Ameri-
can Pacific Coast for similar period.

20G48

ZENKOVICH, B. A.

13G45

USSR/Whaling Industry 4307.1000

Dec 1947

"The Whaling Industry of the USSR and the Prospects
for Its Development," B. A. Zenkovich, 7 pp

"Rybnoye Khoz" Vol XXXI, No 12

Study of whaling regions and possibilities of Antarctic regions. Includes map of Antarctic regions with whaling fields indicated and tables giving data on whaling industry by season from 1919 to 1946, by varieties. This is conclusion of an article begun in issue No 10.

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13G45

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CIA-RDP86-00513R001964430006-8

ZENKOVICH, B.A.

[Around the world on a whaling expedition] Vokrug sveta za kita-mi. Moskva, Gos. izd-vo geograficheskoi lit-ry, 1954. 407 p.
(MLRA 7:12D)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964430006-8"

PAVLOVSKIY, Ye.N., akad., glav. red.; ZENKOVICH, B.A., red.;
FREYNBERG, S.Ye., red.; CHAPSKIY, K.K., red.; MAKAROV,
B.M., red.

[Marine mammals] Morskie mlekopitaiushchie. Moskva, Nauka,
1965. 317 p.
(MIRA 18:5)

1. Akademiya nauk SSSR. Ikhtiolicheskaya komissiya.
2. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo
rybnogo khozyaystva i okeanografii (for Zenkovich). 3. Zo-
ologicheskiy institut AN SSSR (for Chapskiy).

ZENKOVICH, B.A.

Observations on marine mammals and other animals made by the
Antarctic Expedition of the Academy of Sciences of the U.S.S.R.
(1957-1958). Trudy sov. Ikht. kom. no.12:23-24 '61. (MIRA 14:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo
rybnogo khozyaystva i okeanografii.
(Antarctic regions--Marine mammals)

ZENKOVICH, Boris Aleksandrovich; CHIZHOV, N.N., red.; POPOVA, V.I.,
mladshiy red.; KISMLEVA, Z.A., red.kart; OLEMYKH, D.A., tekhn.red.

[Voyage to the southern oceans and around the world; notes of
a participant in the First Soviet Scientific Expedition Around
the World of the Academy of Sciences of the U.S.S.R., 1957-1958]

Puteshestvie v Juzhnyi okean i vokrug sveta; zapis i uchastnika
1-i sovetskoi nauchnoi krugosvetnoi ekspeditsii Akademii nauk
Sovieta SSR, 1957-1958 gg. Moskva, Gos.izd-vo geogr.lit-ry, 1960.

326 p.
(Voyages around the world) (Antarctic regions) (MIRA 13:12)

ZENKOVICH, B.A., kand.biol.nauk

Observations on whales during the third voyage of the Soviet
Antarctic Expedition in 1957-1958. Inform.biul.Sov.antark.
eksp. no.3:75-76 '58.

(MIRA 12:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut rybnogo
khozyaystva i okeanografii.
(Antarctic regions--Whales)

PA 170T88

USSR/Oceanography - Littoral Dynamics Dec 48

"Deformation of a Trochoidal Wave at the
Shore," B. P. Zenkovich, V. I. Budanov

"Meteorol i Gidrol" No 6, pp 99-101

Describes the "Medusa", instrument designed in
the Inst of Oceanol, Acad Sci USSR, to measure
wave velocities at the bottom close to shore.
Complete unit has 4-cup vane, photocell, and
3-strand cable, and receiving unit (amplifica-
tion stage, relay, and control instrument).
Gives results of tests in Jul 47 on the Black
Sea at the Caucasus shore. Submitted
13 Feb 48.

FDD

170T88

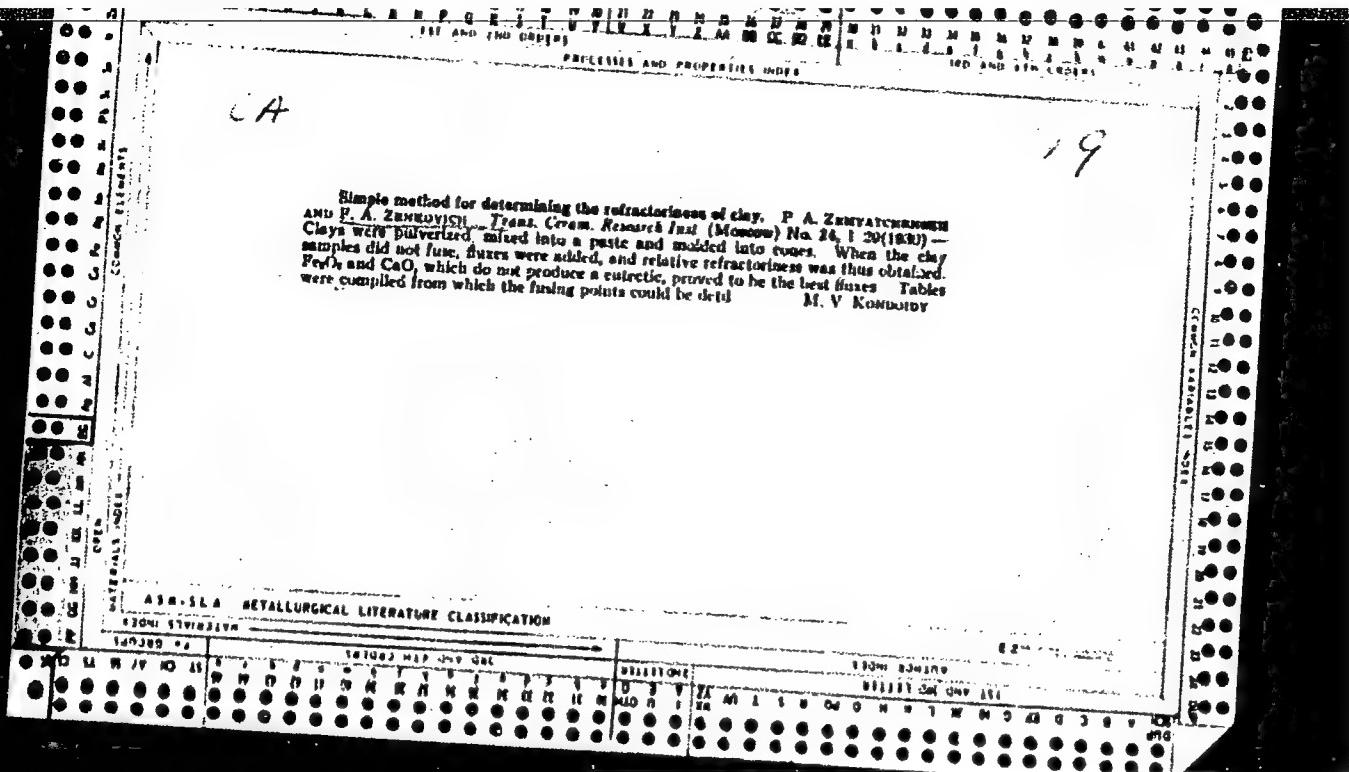
FEDOSEN'Y, A.D. and F.A. SEM'KOVICH. Mostorozhdeniia glin SSSR; opisanie,
sostav, svoistva i primenenie; pod red. F.A. Semiatchenskogo. Moskva, AN SSSR,
1937. 662 p. (Akademija Nauk SSSR. Petrograficheskii institut im. F. Iu.
Levinson-Lessinga. Petrografiia SSSR. Seriia II, no. 2.)
Bibliography at end of chapters.

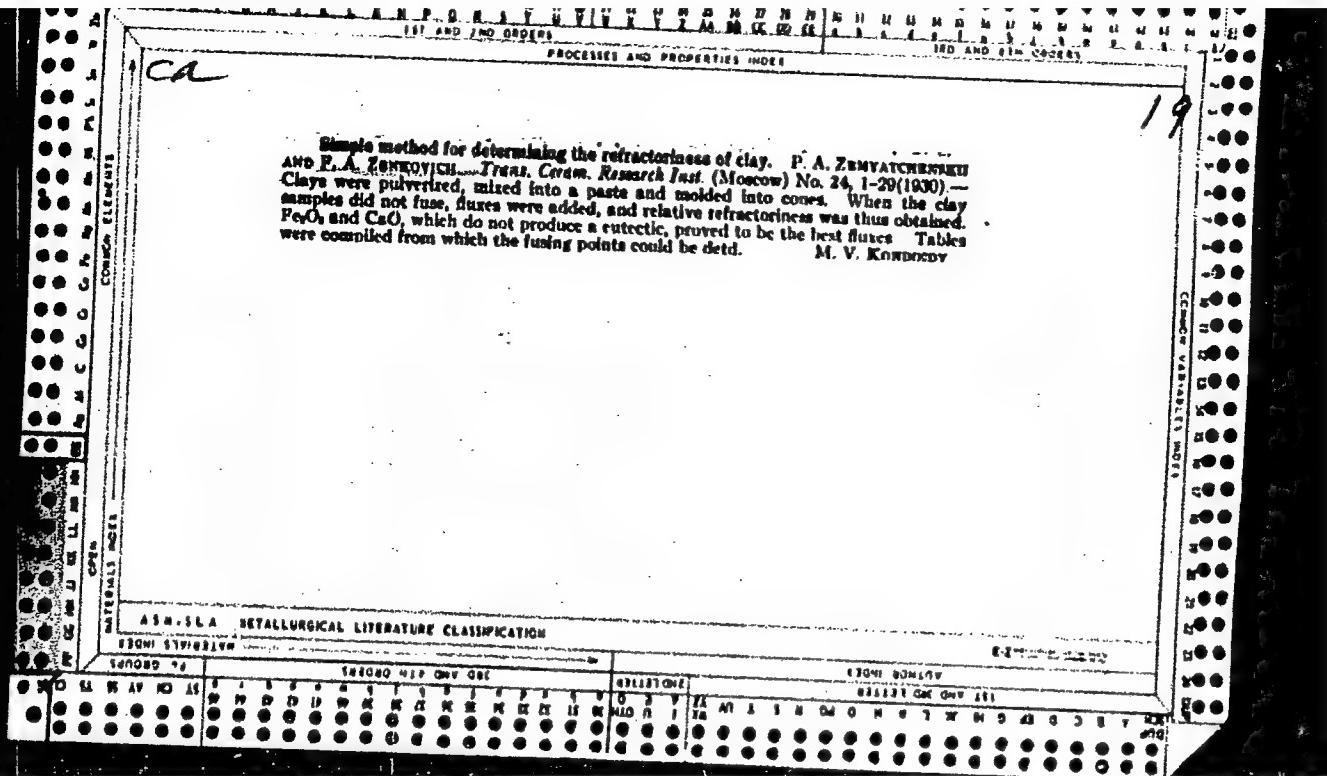
DLC: 1E420.A6

SO: LC, Soviet Geography, Part I, 1951, Uncl.

2
Fedorov, A. D. and Zenkovich, F. A. Ural deposits of Ogneupory, o. Sverdlovsk (URSS). A short description of the chief deposits of dolomite located in the Urals is given. Laboratory experiments show that these dolomites are excellent raw material for the production of forsterite refractories.

2

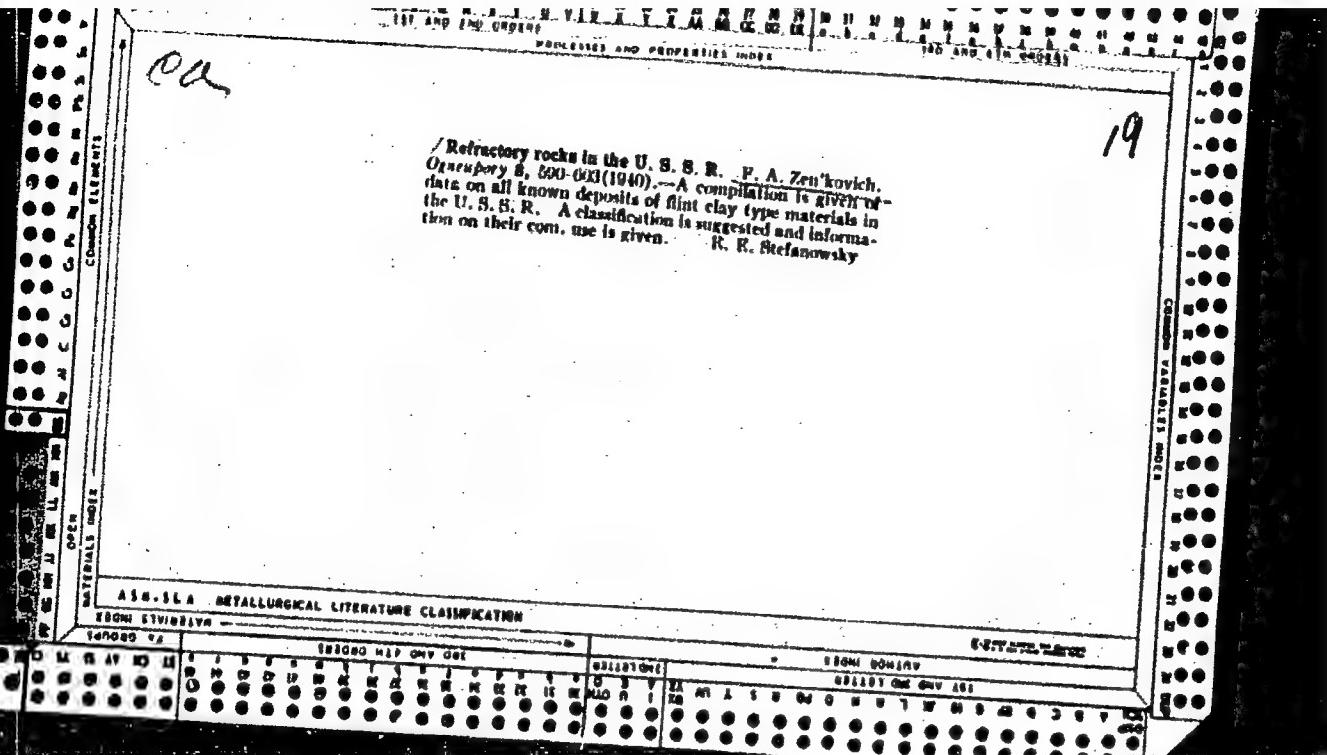


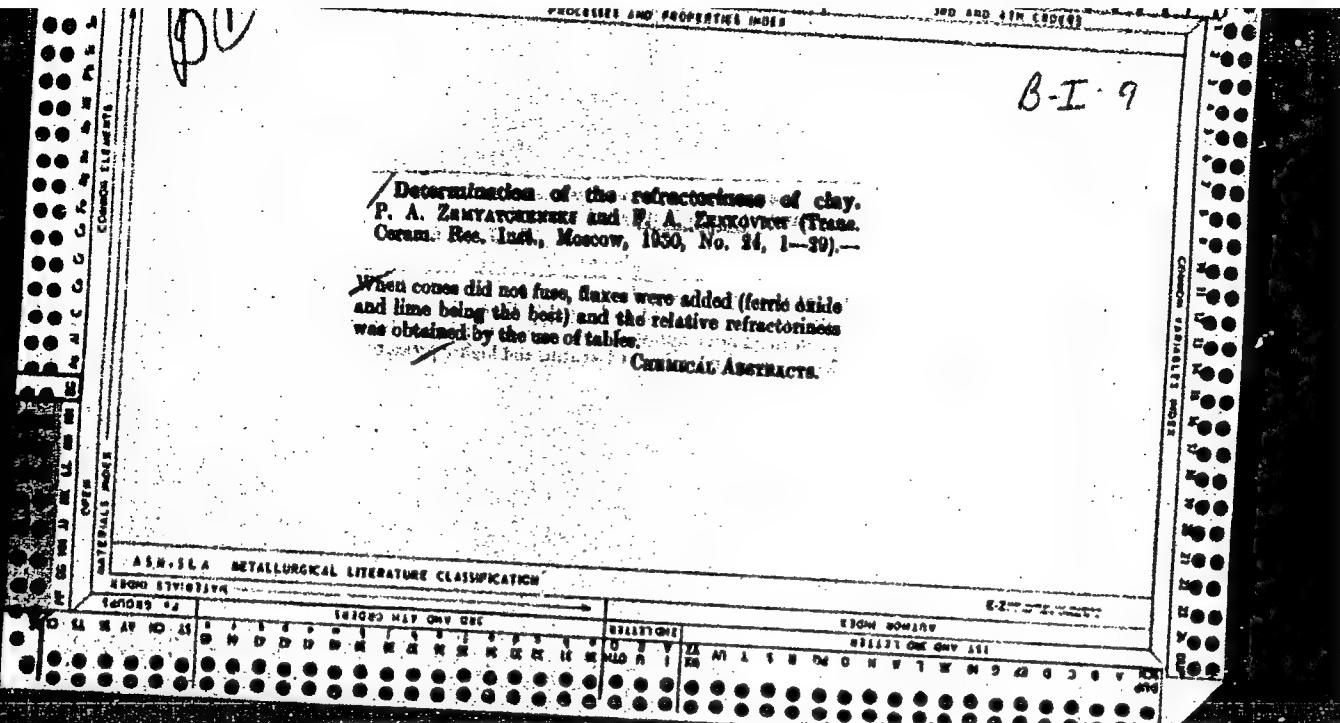


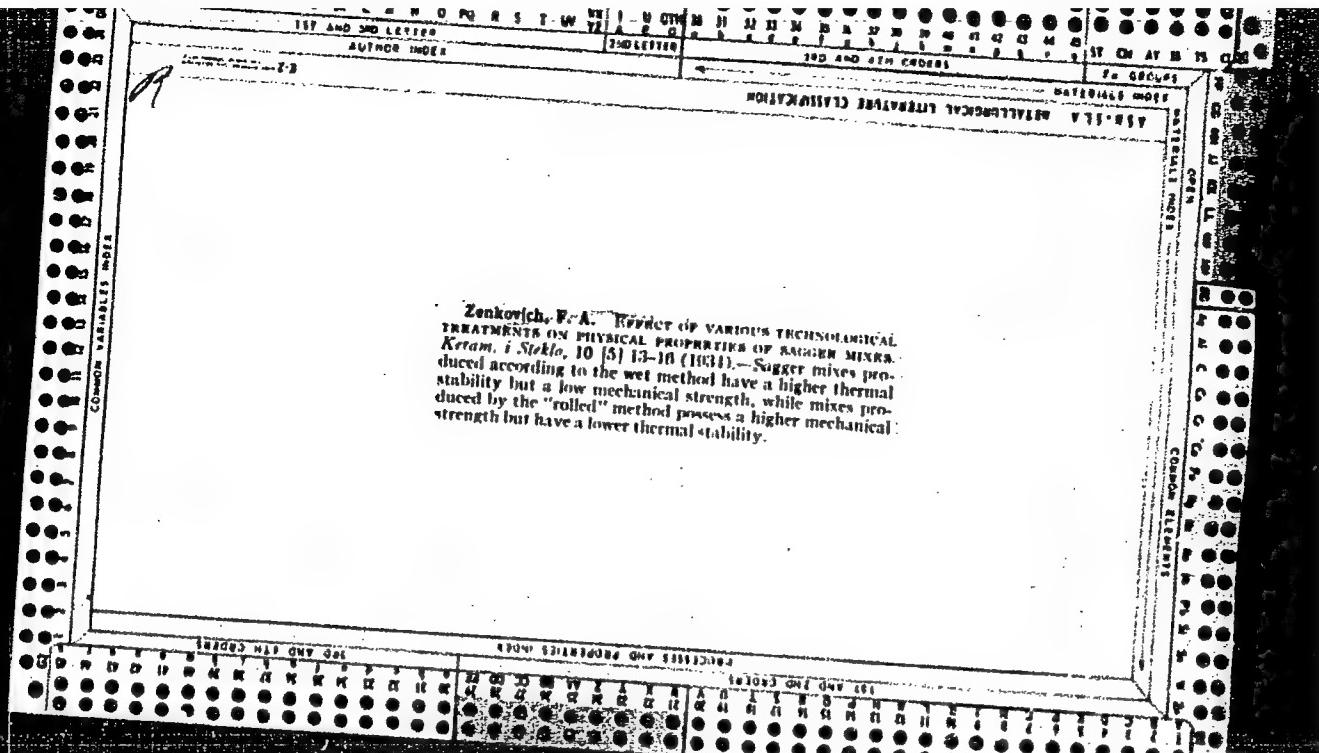
Co

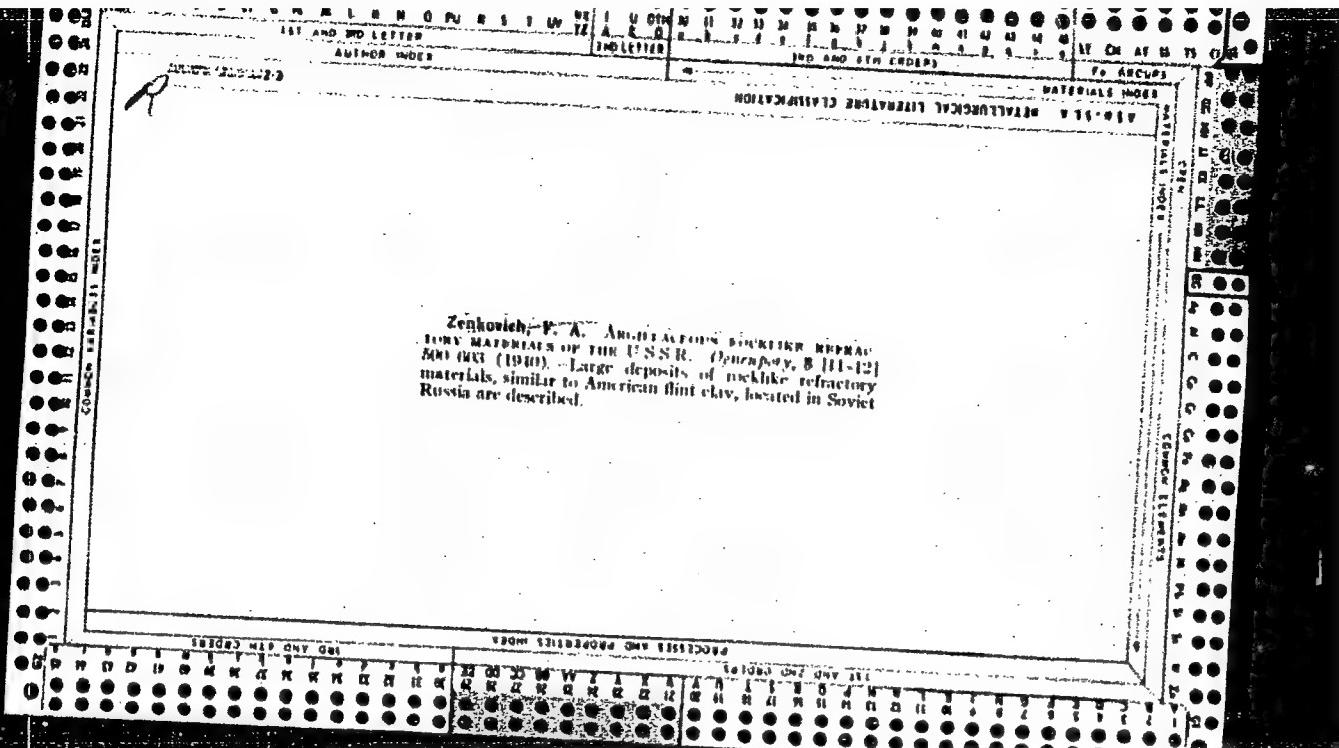
19

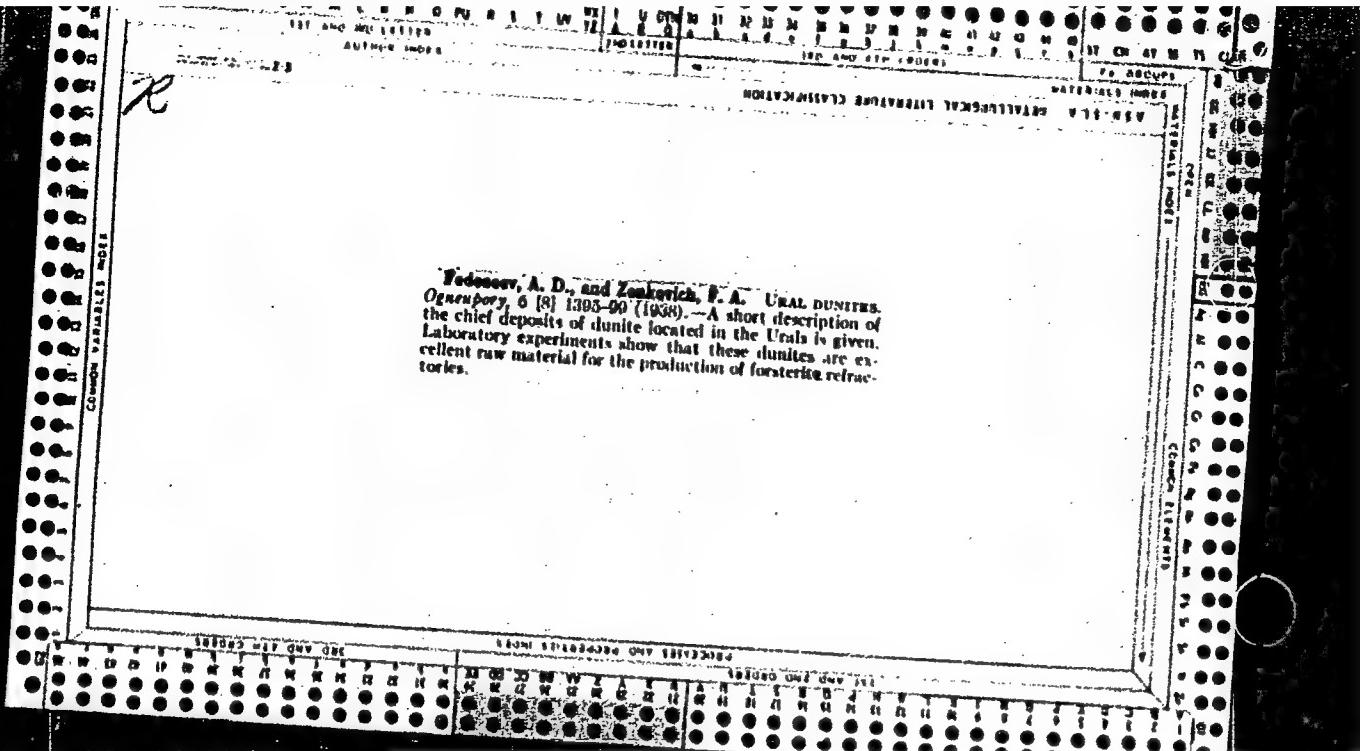
Circulation of water in clay masses during their drying. E. A. ZENKOVICH. Keram. i Selsko 7, No. 11, 2, 46-50 (1931).—The circulation and distribution of moisture in clay masses during drying were studied. Different kinds of clay, kaolin and porcelain masses were examined. At definite intervals the moisture contents were detd. When the vol. of the clay mass with a definite water content was known, curves (called "deformation curves") of the modification of shrinkage were drawn. It was found that there is a certain max. in the difference in water content between 2 contiguous layers of the mass, beyond which limit deformation is inevitable. To obtain an easier elimination of water in the drying mass and to decrease the difference in water content between the surface and the interior layers, it is necessary (1) to add thinning materials to the paste, or (2) to change the surrounding air, making it cooler, heating it or humidifying it according to the kind of material used and its properties. M. V. KONDROY











Zemtcheoski, P. A., and Zenkovich, F. A.
 DETERMINING REFRACTORINESS OF CLAY. *Trans. Cram. Research Inst. (U.S.S.R.)*, 24, 20 pp. (1930) - Clays which were pulverized, mixed into a paste, and molded into cones of a definite size, were fused by an apparatus consisting of a soldering pipe heated by a blasted alcohol flame. Knowing the diameter of the cone, it was easy to determine the melting temperature of the clay cones. In cases where the clay samples did not melt, melting agents were added to the paste, and according to the quantity added, it was possible to ascertain the melting temperature. The diameter of the cone must remain constant. Iron oxide and lime, which do not produce a eutectic, proved to be the most appropriate melting agents. Tables were compiled from which the melting temperature could be ascertained. Comparing the results of these tests for the refractoriness of clays, a difference of about 50° was found. Only 30 minutes are required for the tests. This method used in practice give very satisfactory results.

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964430006-8

ZEN'KOVICH, G., kand.arkhitektury

Designing and building sections of club houses. Stroi.i arkhit.
8 no.6:19-21 Je '60. (MIRA 13:6)
(Clubhouses)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964430006-8"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964430006-8

ZEN'KOVICH, O. [Zen'kovych, H.], kand. arkhitektury

Design of a clubhouse to be built economically. Sil'. bud. 9 no.2:
19-21 F '59.
(Clubhouses) (MIRA 12:6)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964430006-8"

ZEN'KOVICH, G. [Zen'kovych, H.], kand.arkhitektury; GAYDUCHENYA,
U. [Haiduchenia, O.], arkitektor; SAMSONOVA, T., arkitektor
Community center in a new village. Sill'. bud. 11 no.8:15-16
Ag '61. (MIRA 14:9)
(Chornobaiyka—Community centers)

TOPCHIYEVA, K.V.; ZEN'KOVICH, I.A.; TRESHCOVA, Ye.G.

Effect of hydrogen on the thermal and catalytic cracking of
n-octane. Vest.Mosk.un.Ser.mat.,mekh.,astron.,fiz.,khim.
no.6:164-170 '59.

(MIRA 13:10)

1. Kafedra fizicheskoy khimii Moskovskogo universiteta.
(Cracking process) (Octane)

TOPCHIYEVA, K.V.; ZEN'KOVICH, I.A.; BUKANAYEVA, F.M.

Catalytic activity of rare earth oxides deposited on silica in reactions involving the decomposition of alcohol. Vest. Mosk. un. Ser. 2: Khim. 16 no.1:34-37 Ja-F '61. (MIR 14:4)

1. Kafedra fizicheskoy khimii Moskovskogo universiteta.
(Rare earth oxides) (Dehydration (Chemistry))

69791

S/055/59/000/06/20/027
B004/B002

5.3300

AUTHORS:

Topchiyeva, K. V., Zen'kovich, I. A., Treshchova, Ye. G.

TITLE:

The Influence of Hydrogen on Thermal and Catalytic Cracking^{II}
of n-Octane

PERIODICAL:

Vestnik Moskovskogo universiteta. Seriya matematiki, mekhaniki,
astronomii, fiziki, khimii, 1959, No. 6, pp. 164 - 170

TEXT: For their investigation, the authors partly used a synthetic aluminosilicate ($30\% \text{Al}_2\text{O}_3 + 70\% \text{SiO}_2$) and partly a commercial aluminosilicate catalyst. The range of the experimental temperature was $450 - 550^\circ$. The mixture obtained from hydrogen and cracking products was analyzed, its density was determined, and Raman spectra were taken from the liquid products. Preliminary experiments showed that besides catalytic cracking, also thermal cracking took place (Fig. 1). Therefore, the total yield of cracking and the yield of thermal cracking were determined and from the difference, also the yield of catalytic cracking. The yield of thermal cracking decreases with an increasing flow rate of octane, while that of catalytic cracking remains unchanged, namely 8%. The yield of thermal cracking was above all dependent on the experimental apparatus

Card 1/2

The Influence of Hydrogen on Thermal and
Catalytic Cracking of n-Octane

69791
S/055/59/000/06/20/027
B004/B002

(Table 1, Fig. 2). The reaction furnace No. 1 used first had too much of lost space (gaps not filled by the catalyst) in which thermal cracking took place due to overheating. By using reaction furnace No. 2 thermal cracking of octane could be reduced to about one half. Table 2 and Fig. 3 give the results of the reaction after the addition of hydrogen and nitrogen. Hydrogen increases the yield of thermal cracking by 6%, and nitrogen by 3%. Fig. 4 shows that the yield of thermal cracking at 500° increases up to a constant value if the molecular ratio of $H_2 : C_8H_{18}$ is increased. Fig. 5 shows the same result at 530°. The yield of catalytic cracking was not affected by hydrogen. Table 3 gives the analyses of the cracking products. In the presence of hydrogen, isomerization of n-octane set in. At 500° 5% of 3-methylheptane was obtained and at 550° 10%. The authors mentioned B. T. Abayeva (Ref. 4). There are 5 figures, 3 tables, and 11 references, 6 of which are Soviet.

ASSOCIATION: Kafedra fizicheskoy khimii (Chair of Physical Chemistry)
SUBMITTED: February 25, 1959

Card 2/2

TOPCHIYEVA, K.V.; ZEN'KOVICH, I.A.; BUKANAYEVA, F.M.

Effect of rare earth oxide impurities on the catalytic properties
of some oxide catalysts in reactions of hydrocarbons. Vest. Mosk.
un. Ser. 2: Khim. 15 no.5:3-5 S-0 '60. (MIRA 13:11)

1. Moskovskiy gosudarstvennyy universitet, kafedra fizicheskoy
khimii.

(Rare earth oxides) (Catalysts)

S/189/60/000/005/001/006
B110/217

AUTHORS:

Topchiyeva, K. V., Zen'kovich, I. A., Bukanayeva, F. M.

TITLE:

Effect exerted by the addition of rare earth oxides upon the catalytic properties of some oxidizing catalysts in hydro-carbon reactions

PERIODICAL:

Vestnik Moskovskogo universiteta. Seriya 2, khimiya, no. 5,
1960, 3-5.

TEXT: Rare earths (Sm_2O_3 ; Nd_2O_3) are good dehydrogenating and cyclizing catalysts for paraffins and cycloparaffins, the activity of which is greatly increased by mixing with Al_2O_3 . The authors aimed at obtaining a catalyst with bifunctional action (rare earth component for dehydrogenation) by adding rare earth oxides to aluminum silicate. The most active aluminum silicate (30% Al_2O_3 ; 70% SiO_2) with admixtures of 5% of the total weight of La_2O_3 ; Nd_2O_3 ; Sm_2O_3 ; Pr_2O_3 ; Y_2O_3 ; Yb_2O_3 , was tested. $\text{Al}(\text{OH})_3$, silica gel, and rare earth hydroxide were mixed and activated in the N_2 current at 550°C to pro-

Card 1/5

Effect exerted by ...

S/189/60/000/005/001/006
B110/B217

duce the catalysts. Each experiment was followed by reactivation in the air current at 500-550°C. Cumene cracking was studied at 450°C and a volume rate of 1 ml/ml·hr. When 5% oxide were added, the cracking ratio, mole of the separated gas : mole of passed through cumene decreased from 45% to 35%. n-octane was also investigated at 500°C and a volume rate of 0.65 ml/ml hr. The ratio, gas weight : weight of the passed through n-octane decreased by ~ 2 mole%, with gas- and catalyzate composition remaining unchanged after analysis by means of BTM(VTI) apparatus. 5% Nd_2O_3 admixture at 320°C, H_2 pressure = 24 atm., volume rate, 1 ml/ml·hr resulted at unchanged composition of the catalyzate in a decrease of cracking by ~7 mole%. This reduction of activity is due to a contamination of the acid aluminum silicate centers by the strongly basic hydroxides of the rare earths and partial destruction of the aluminum silicate structure. Also the catalysts: 95% Al_2O_3 : 5% Pr_2O_3 ; 95% Al_2O_3 : 5% Yb_2O_3 ; 95% Al_2O_3 : 5% Sm_2O_3 ; 80% Al_2O_3 : 20% La_2O_3 ; 80% Al_2O_3 : 20% Pr_2O_3 , with n-octane at 500-545°C and a volume rate of 0.64-0.16 ml/ml·hr, resulted in no increase of activity. The increase of cracking by ~6-10% obtained with 80% Al_2O_3 : 20% Pr_2O_3 at a volume rate of

Card 2/5

Effect exerted by ...

S/189/60/000/005/001/006
B110/B217

0.16 ml/ml·hr is due to the hydrogenation properties of Pr_2O_3 . The results the authors obtained with the following catalysts: 85% Al_2O_3 : 15% Me_2O_3 ($\text{Me} = \text{Nd}, \text{Sm}$) were in complete disagreement with those of V. I. Komarewsky (Ref. 1: Industr. and Engng. chem., 49, No. 2, 264-265, 1957). The experiment made by this researcher with heptane and 85% Al_2O_3 with 15% Nd_2O_3 was repeated, the catalyst being produced by his method of mixing and coprecipitation. The calculated amount of highly acid 0.39 M $\text{Nd}(\text{NO}_3)_3$ was added to 0.725 M sodium aluminate solution. The catalyst was activated at 550°C in the N_2 current. No increase of activity as compared to pure Al_2O_3 was established. Possibly, Komarewsky prepared his mixing catalysts in a different way, or he compared their activity with that of the rare earth oxide and thought that Al_2O_3 was inactive. The higher activity of his catalysts may also be due to Al_2O_3 which, according to its way of preparation, may also have dehydrogenating properties (Table). There are 1 table and 3 references: 1 Soviet-bloc and 2 non-Soviet-bloc. The reference to English-language publications reads as follows: Ref. 2: Ciapetta F. G., Hunter J.

Card 3/5

Effect exerted by ...

S/189/60/000/005/V01/006
B110/B217

B. Industr. and Engng. chem., 45, 147-55, 1953.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova,
Kafedra fizicheskoy khimii (Moscow State University imeni M. V.
Lomonosov Department of Physical Chemistry)

SUBMITTED: July 14, 1959

Legend to the Table: The conversion of n-heptane at 525°C on the mixing catalyst, 85% Al₂O₃ : 15% Nd₂O₃; 1) catalyst; volume rate ml/ml·hr; 2) thermal cracking 4.85 ml/hr; 3) coprecipitation method; 4) mixing method; 5) data by Komarewsky; 6) bulk factor of the catalyst, ml; 7) yield, wt%; 8) of gas; 9) of catalyst; 10) losses; 11) gas composition, vol%; 12) paraffins; 13) and 14) olefins; 15) aromatic components; 16) catalyzate composition, wt%.

Card 4/5

Effect exerted by ...

S/189/60/000/005/001/006
B110/B217Превращение н-гептана при 525° на смешанном катализаторе состава
85% Al₂O₃:15% Nd₂O₃, °C.

Насыпной объем катализатора, мл/мл.час	Выход, вес. %	Состав газа, в объеме, %			Состав катализатора, вес. %		
		газа	катализатора	потери /%	H ₂	парaffины	олефины
1 Катализатор: объемная скорость, мл/мл.час							
2 Термический крекинг 4,58 мл/час	—	15,0	85,0	0	1,00	85,8	13,2
Al ₂ O ₃ 0,15	30	22,6	72,3	5,1	18,1	71,5	10,4
3 (Метод соосаждения) 0,15 85% Al ₂ O ₃ :15% Nd ₂ O ₃	30	17,2	70,2	12,6	15,8	73,2	11,0
4 (Метод смешения) 0,15 85% Al ₂ O ₃ :15% Nd ₂ O ₃	30	21,9	62,8	12,3	13,5	68,9	12,6
5 (Данные Комаренского) 0,15 85% Al ₂ O ₃ :15% Nd ₂ O ₃	30	—	71,8	—	64,8	22,5	12,3
							21

Card 5/5

AUTHORS: Topchiyeva, K. V., Pletyushkina, A. I., 79-28-3-13/61
Zen'kovich, I. A.

TITLE: The Reaction of Allyl Benzene on Catalysts of Aluminum Silicates (Prevrashcheniye allilbenzola na alyumosilikatnykh katalizatorakh)
I. Investigation of the Reaction Kinetics
(I. Izuchenie kinetiki prevrashcheniya)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 3, pp. 624-631
(USSR)

ABSTRACT: The present work continues earlier investigations on the reaction mechanism of the isomerization of hydrocarbons in order to likewise check the assumption made before that there are two kinds of active centers acting in this reaction mechanism. For this purpose the reaction kinetics of an aromatic hydrocarbon with unsaturated binding in the side chain - the allyl benzene - was investigated; this was done in liquid and vapor phase on conditions excluding cracking. In this different catalysts from the aluminum silicate series as well as pure aluminum oxide were used. This preferred

Card 1/3

The Reaction of Allyl Benzene on Catalysts of Aluminum Silicates.

79-28 -3-13/61

I. Investigation of the Reaction Kinetics

reaction enabled the authors to observe not only the rules of isomerization showing in it but also to trace the di- and polymerization processes of allyl benzene. In the contact of allyl benzene with the mentioned catalysts not only an isomerization takes place which consists of a re-grouping of the double bond in the side chain, but also a profound rearrangement of the initial product under the formation of a di- and polymer. The active centers of aluminum oxide and of the other catalysts only direct the isomerization connected with the re-grouping of the double bond in the side chain. The aluminum silicate centers catalyze the reactions of isomerization, of the di- and polymerization, which was proved by experiments. The step-by-step reaction mechanism of allyl benzene on the mentioned catalysts was found. The difference in the reaction mechanism of allyl benzene under the influence of catalysts having different percentual quantities of aluminum oxide is mentioned. The applicability of the equation for monomolecular heterogenous catalytic reactions in the reaction flow is shown when the reaction

Card 2/3

The Reaction of Allyl Benzene on Catalysts of Aluminum Silicates. 79-28 -3-13/61

I. Investigation of the Reaction Kinetics

products are absorbed more quickly than the initial compounds in the case of the isomerization of allyl benzene above aluminum oxide in the vapor phase. There are 9 figures, 2 tables, and 17 references, 14 of which are Soviet

ASSOCIATION: Moskovskiy gosudarstvennyy universitet
(Moscow State University)

SUBMITTED: January 28, 1957

Card 3/3

ZEN'KOVICH, T.A.; TRESHCHOVA, Ye.G.; TOPCHIYEVA, K.V.

Transformation of phenylcyclopropane on aluminum oxide with
boron fluoride. Vest. Mosk. un. Ser. 2:Khim. 20 no. 5:19-22
S-0 '65.

(MIRA 18:12)

I. Kafedra fizicheskoy khimii Moskovskogo gosudarstvennogo
universiteta. Submitted Dec. 15, 1964.

ZEN'KOVICH, P.

"Bryansk antiquities" by A. Shkrob, V. Sokolov. Reviewed by
P. Zen'kovich. Geog. v shkole 25 no.3:93-95 My-Je '62. (MIRA 15:7)
(Bryansk Province--Names, Geographical)
(Shkrob, A.) (Sokolov, V.)

VOLKOV, A.A.; MURATKHODZHAYEV, N.K.; ZEN'KOVICH, S.G.; SINITSYN, R.V.;
BELYAYEV, V.V.

Radiation load of medical personnel working with Au¹³⁹ granules
in a neuro-oncological clinic. Med. rad. 8 no.5:39-43 My '63.

1. Iz Leningradskogo neyrokhirurgicheskogo instituta imeni
prof. A.L. Polenova. (MIRA 17:5)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964430006-8

BADMAYEV, K.N.; ZEN'KOVICH, S.G.; SOKOLOV, I.A.

Scintillation gamma-encephalometer for the diagnosis of brain
tumors. Med. rad. 5 no.4:57-64 Ap '60. (MIRA 13:12)
(BRAIN-TUMORS) (RADIOMETER)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964430006-8"

ZEN'KOVICH, S.G.

Optimum collimation of the scintillation counter in radioisotope diagnosis of tumors. Med. rad. 8 no.3:77-81 Mr '63. (MIRA 17:9)

1. Iz Leningradskogo nauchno-issledovatel'skogo neirokhirurgicheskogo Instituta imeni prof. A.L.Folenova,

ZENKOVICH, V. P.

USSR/Medicine - Infectious Diseases
(Veterinary)

May 51

"Experience in the Elimination of Equine Infectious Anemia According to B. M. Bosh'yan (Preliminary Communication), V. P. Zenkovich, S. P. Kupreyshvili, V. F. Shatalov, Veterinarians

"Veterinariya" Vol XXVIII, No 5, pp 28, 29

Finds allergen Anemin VIEV [anemin of All-Union Inst of Exptl Vet Med] is sp diagnostic prep (although some clinically sick horses do not react to it in the eye test) and VIEV vaccine is effective in therapy and prophylaxis of equine infectious anemia.

LC

182T74

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964430006-8

SHATALOV, V. F.; ZENKOVICH, V. P.; BONDAREV, G. A.; LUNIN, N. T.

Swine - Diseases

Evaluating the efficacy of vaccines against swine erysipelas. Veterinaria. 29 No. 7 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964430006-8"

ZENKOVICH, V.P.; SHATALOV, V.P.

Freeing farms of infectious anemia in horses by using Doctor
of Biological Sciences G.M. Bosh'ian's method. Veterinariia 30
no.6:20-22 Je '53.
(MLRA 6;5)

ZENKOVICH, V.P., veterinarnyy vrach; LUNIN, N.T., veterinarnyy vrach.

Retained placenta in cows and methods of its removal. Veterinariia
32 no.11:74 N '55.
(VETERINARY OBSTETRICS) (PLACENTA--DISEASES) (COWS--DISEASES)
(MLRA 8:12)

ZENKOVITCH, V.P.

(Vsevolod Farovich)

PA 50T77

USSR/Oceanology

Jan 1946

Waves, Ocean

"On the Study of Littoral Dynamics," V. P. Zenkovitch,
12 pp

"Trudy Instituta Okeanol." Vol I

Briefly outlines results of submarine observations
carried out on the south coast of Crimean Peninsula
(Black Sea). Describes topographic relations, and
rocks and sediments of the bottom, observes and
experimentally determines the dynamics of the wave
action.

IC

50T77

ZENKOVICH, V.P., doktor geogr. nauk; GRIGOR'YEV, A.A., akademik, otv.
red.; SHPAK, Ye.G., tekhn. red.

[Dynamics and morphology of seashores] Dinamika i morfologija
morskikh beregov. Moskva, Izd-vo "Morskoi transport." Pt.1. [Wave
processes] Volnovye protsessy. 1946. 495 p. (MIRA 15:2)
(Coast changes) (Waves)

ZENKOVICH, V. P.

PA 27T52

USSR/Geology
Erosion

Nov 1946

"The Destruction of Limestone on the Caspian Shore,"
Dr V. P. Zenkovich, 1½ pp

"Priroda" No 9

Short discussion, with three photographs, of erosion
of the shore of the Caspian Sea.

ID

27T52

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964430006-8

"Influence of Eustatic Oscillations of the Ocean's Level Upon Bottom and Shore Relief,"
Works of the Institute of Geography of Academy of Sciences USSR, No 37, 1946 (55-63).
(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

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PA-2T81

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"Structure of the Estuaries of Some Caucaesian
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Apr 1948

"Currents of Coastal Alluvium on the Caucasian
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of Oceanology, Acad Sci USSR, 3 pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LX, No 2

Briefly describes the currents carrying alluvial
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62T59

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USSR/Oceanology

Bottom Sediments

May 1948

"The Forms of the Accumulation of the Conglomerate Alluvium on the Caucasus Coast of the Black Sea," V. R. Zenkovich, Inst of Oceanology, Acad Sci USSR, 4 pp

"Dok Ak Nauk SSSR" Vol LX, No 4

Along this coast three streams of conglomerate deposits move from northwest to southeast, consisting of material of predominantly alluvial origin. Describes structure of resultant formations with aid of sketches. Submitted 9 Feb 1948.

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Sea Bottom

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"Developing an Abrasion Design in the Process of
Increasing the Sea Level," V. P. Zenkovich, Inst of
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USSR/Oceanology - Relief, Shore Line 1 Jun 50

"Latest Subsidence of the Banks of West Kamchatka,"
V. P. Zenkovich, A. T. Vladimirov, Inst of Oceanol,
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"Dok Ak Nauk SSSR" Vol LXXII, No 4, pp 753-754

Discusses results of surveying coastal plain in western Kamchatka. Analysis of data obtained by surveying leads to conclusion that 6-7 m lowering occurred in certain parts of coastal zone and this process continued for 1,000-2,000 yr. Coastal line is stabilized now since no modification in its shape has been observed for several decades.

165T55

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166T30

USSR/Geophysics - Oceanography 1 Jul 50

"Conservation of the Forms of Meso-Relief at
the Bottom of a Deep Sea," V. P. Zenkovich,
Inst of Oceanography, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol LXXIII, No 1, pp 67-68

Accumulated data on pelagic soundings shows
sharp difference between reliefs of silt on con-
tinental shelves and of silt on deep bottoms.
On shelves, motion of waters levels the bottom,
while in quiet deep regions the Meso-relief is
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